

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P303229

Luminaire Tested: **CTW-F-7525-40L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-40L840-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

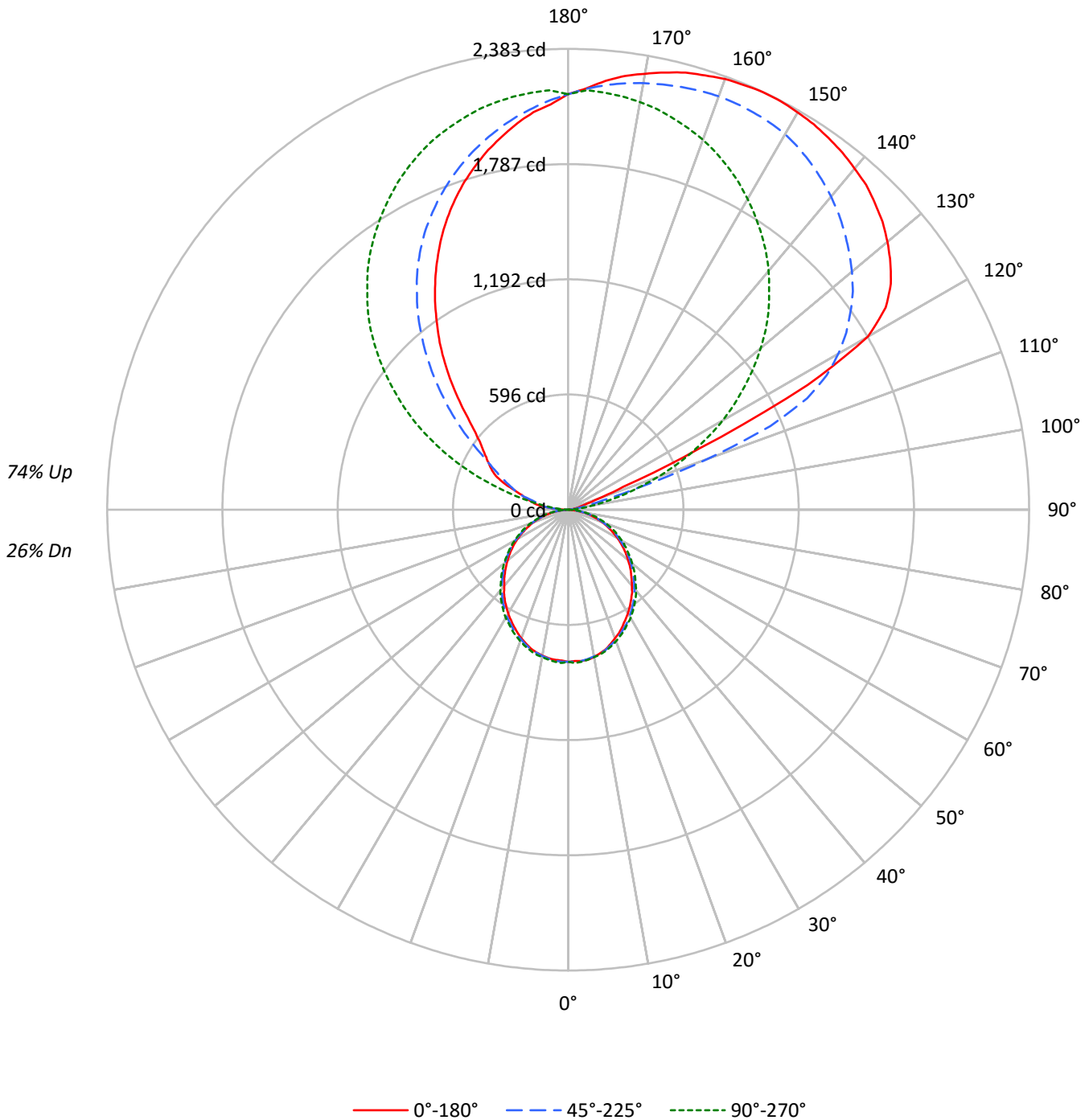
Lumens per Lamp: N/A
Luminaire Lumens: 8160.5 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 57.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303229
CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

Luminous Intensity Polar Plot





TEST NUMBER: P303229

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 70 | 70 | 70 | 51 | 51 | 51 | 34 | 34 | 34 | 26 |
| 1 | 92 | 88 | 84 | 81 | 82 | 79 | 75 | 73 | 61 | 59 | 57 | 45 | 43 | 42 | 30 | 29 | 28 | 21 |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 59 | 53 | 50 | 47 | 39 | 37 | 35 | 26 | 25 | 24 | 18 |
| 3 | 76 | 67 | 60 | 55 | 68 | 60 | 54 | 50 | 47 | 43 | 39 | 35 | 32 | 30 | 23 | 21 | 20 | 15 |
| 4 | 70 | 59 | 52 | 46 | 62 | 53 | 47 | 42 | 42 | 37 | 33 | 31 | 28 | 25 | 21 | 19 | 17 | 13 |
| 5 | 64 | 53 | 45 | 39 | 57 | 47 | 41 | 36 | 37 | 32 | 29 | 27 | 24 | 22 | 18 | 17 | 15 | 11 |
| 6 | 59 | 47 | 39 | 34 | 52 | 42 | 36 | 31 | 33 | 28 | 25 | 25 | 21 | 19 | 17 | 15 | 13 | 10 |
| 7 | 54 | 42 | 35 | 29 | 48 | 38 | 32 | 27 | 30 | 25 | 22 | 22 | 19 | 17 | 15 | 13 | 12 | 9 |
| 8 | 50 | 38 | 31 | 26 | 45 | 35 | 28 | 24 | 27 | 22 | 19 | 20 | 17 | 15 | 14 | 12 | 10 | 8 |
| 9 | 47 | 35 | 28 | 23 | 41 | 31 | 25 | 21 | 25 | 20 | 17 | 19 | 15 | 13 | 13 | 11 | 9 | 7 |
| 10 | 43 | 32 | 25 | 20 | 39 | 29 | 23 | 19 | 23 | 18 | 15 | 17 | 14 | 12 | 12 | 10 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|------|------|------|
| 0° | 8469 | 8469 | 8469 |
| 5° | 8480 | 8524 | 8414 |
| 10° | 8444 | 8466 | 8378 |
| 15° | 8337 | 8405 | 8291 |
| 20° | 8102 | 8290 | 8102 |
| 25° | 7892 | 8159 | 7892 |
| 30° | 7677 | 8032 | 7702 |
| 35° | 7447 | 7849 | 7500 |
| 40° | 7190 | 7676 | 7218 |
| 45° | 6983 | 7447 | 7043 |
| 50° | 6759 | 7237 | 6861 |
| 55° | 6579 | 7039 | 6694 |
| 60° | 6364 | 6889 | 6495 |
| 65° | 6074 | 6749 | 6283 |
| 70° | 5775 | 6543 | 6030 |
| 75° | 5340 | 6272 | 5681 |
| 80° | 4674 | 5814 | 5052 |
| 85° | 3026 | 5286 | 3520 |



TEST NUMBER: P303229

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.3 | 0.9 |
| 10°-20° | 210.1 | 2.6 |
| 20°-30° | 310.3 | 3.8 |
| 30°-40° | 364.1 | 4.5 |
| 40°-50° | 366.5 | 4.5 |
| 50°-60° | 326.8 | 4.0 |
| 60°-70° | 250.5 | 3.1 |
| 70°-80° | 149.0 | 1.8 |
| 80°-90° | 41.2 | 0.5 |
| 90°-100° | 60.1 | 0.7 |
| 100°-110° | 256.6 | 3.1 |
| 110°-120° | 732.0 | 9.0 |
| 120°-130° | 1070.4 | 13.1 |
| 130°-140° | 1154.9 | 14.2 |
| 140°-150° | 1099.1 | 13.5 |
| 150°-160° | 901.9 | 11.1 |
| 160°-170° | 588.9 | 7.2 |
| 170°-180° | 204.0 | 2.5 |
| 0°-30° | 594.7 | 7.3 |
| 0°-40° | 958.8 | 11.7 |
| 0°-60° | 1652.1 | 20.2 |
| 0°-90° | 2092.7 | 25.6 |
| 90°-120° | 1048.7 | 12.9 |
| 90°-150° | 4373.0 | 53.6 |
| 90°-180° | 6068.0 | 74.4 |
| 0°-180° | 8160.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 787 | 787 | 787 | 787 | 787 | |
| 5° | 785 | 785 | 789 | 783 | 779 | 75 |
| 15° | 748 | 750 | 754 | 746 | 744 | 210 |
| 25° | 664 | 679 | 687 | 677 | 664 | 306 |
| 35° | 567 | 587 | 597 | 587 | 571 | 355 |
| 45° | 459 | 477 | 489 | 479 | 463 | 354 |
| 55° | 351 | 365 | 375 | 371 | 357 | 313 |
| 65° | 238 | 251 | 265 | 255 | 247 | 237 |
| 75° | 128 | 137 | 151 | 143 | 137 | 136 |
| 85° | 24 | 31 | 43 | 35 | 28 | 31 |
| 90° | 2 | 2 | 2 | 10 | 18 | 2 |
| 95° | 14 | 18 | 43 | 86 | 80 | 16 |
| 105° | 67 | 184 | 290 | 202 | 224 | 83 |
| 115° | 742 | 1364 | 709 | 369 | 412 | 837 |
| 125° | 2036 | 1782 | 1115 | 612 | 536 | 1804 |
| 135° | 2242 | 2022 | 1466 | 987 | 795 | 1732 |
| 145° | 2346 | 2187 | 1741 | 1364 | 1184 | 1471 |
| 155° | 2383 | 2267 | 1955 | 1678 | 1551 | 1101 |
| 165° | 2340 | 2263 | 2096 | 1914 | 1845 | 663 |
| 175° | 2226 | 2204 | 2165 | 2085 | 2063 | 214 |
| 180° | 2148 | 2148 | 2148 | 2148 | 2148 | |



TEST NUMBER: P303229

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 |
| 2.5° | 782.8 | 780.7 | 784.8 | 786.8 | 786.8 | 788.9 | 788.9 | 788.9 | 788.9 | 790.9 | 786.8 |
| 5° | 784.8 | 784.8 | 784.8 | 784.8 | 782.8 | 784.8 | 784.8 | 786.8 | 786.8 | 788.9 | 784.8 |
| 7.5° | 782.8 | 780.7 | 780.7 | 780.7 | 778.7 | 778.7 | 780.7 | 780.7 | 778.7 | 782.8 | 778.7 |
| 10° | 772.6 | 772.6 | 770.5 | 770.5 | 770.5 | 770.5 | 770.5 | 772.6 | 772.6 | 774.6 | 770.5 |
| 12.5° | 760.3 | 760.3 | 760.3 | 760.3 | 758.3 | 758.3 | 760.3 | 762.4 | 762.4 | 764.4 | 762.4 |
| 15° | 748.1 | 746.1 | 748.1 | 750.2 | 748.1 | 748.1 | 748.1 | 750.2 | 750.2 | 752.2 | 750.2 |
| 17.5° | 727.7 | 727.7 | 729.8 | 731.8 | 731.8 | 729.8 | 731.8 | 733.8 | 733.8 | 735.9 | 733.8 |
| 20° | 707.3 | 707.3 | 709.4 | 711.4 | 711.4 | 711.4 | 713.5 | 713.5 | 715.5 | 715.5 | 717.5 |
| 22.5° | 689.0 | 687.0 | 689.0 | 691.0 | 691.0 | 689.0 | 693.1 | 693.1 | 695.1 | 697.2 | 699.2 |
| 25° | 664.5 | 662.5 | 666.6 | 668.6 | 668.6 | 668.6 | 670.7 | 672.7 | 674.7 | 676.8 | 678.8 |
| 27.5° | 640.1 | 640.1 | 642.1 | 644.2 | 646.2 | 646.2 | 648.2 | 652.3 | 652.3 | 654.3 | 658.4 |
| 30° | 617.7 | 617.7 | 619.7 | 621.7 | 623.8 | 623.8 | 623.8 | 627.8 | 631.9 | 631.9 | 636.0 |
| 32.5° | 593.2 | 591.2 | 593.2 | 597.3 | 597.3 | 597.3 | 599.3 | 603.4 | 605.4 | 607.5 | 611.5 |
| 35° | 566.7 | 566.7 | 568.7 | 570.8 | 572.8 | 572.8 | 574.8 | 578.9 | 581.0 | 583.0 | 587.1 |
| 37.5° | 542.2 | 540.2 | 542.2 | 544.3 | 546.3 | 546.3 | 548.3 | 552.4 | 554.5 | 556.5 | 560.6 |
| 40° | 511.7 | 509.6 | 511.7 | 513.7 | 515.7 | 515.7 | 517.8 | 523.9 | 525.9 | 528.0 | 532.0 |
| 42.5° | 485.2 | 483.1 | 485.2 | 487.2 | 489.2 | 491.3 | 491.3 | 493.3 | 497.4 | 499.4 | 503.5 |
| 45° | 458.7 | 456.6 | 456.6 | 460.7 | 462.7 | 462.7 | 464.8 | 466.8 | 470.9 | 472.9 | 477.0 |
| 47.5° | 432.2 | 430.1 | 432.2 | 434.2 | 434.2 | 436.2 | 438.3 | 438.3 | 442.3 | 446.4 | 448.5 |
| 50° | 403.6 | 403.6 | 403.6 | 405.7 | 407.7 | 409.7 | 409.7 | 411.8 | 413.8 | 417.9 | 422.0 |
| 52.5° | 377.1 | 375.1 | 377.1 | 379.2 | 381.2 | 381.2 | 383.2 | 383.2 | 385.3 | 391.4 | 393.4 |
| 55° | 350.6 | 348.6 | 348.6 | 350.6 | 350.6 | 352.7 | 354.7 | 354.7 | 356.7 | 360.8 | 364.9 |
| 57.5° | 322.1 | 322.1 | 322.1 | 324.1 | 324.1 | 324.1 | 328.2 | 328.2 | 330.2 | 334.3 | 336.3 |
| 60° | 295.6 | 295.6 | 293.5 | 295.6 | 295.6 | 297.6 | 299.7 | 299.7 | 301.7 | 303.7 | 307.8 |
| 62.5° | 267.0 | 267.0 | 265.0 | 267.0 | 269.1 | 269.1 | 271.1 | 271.1 | 273.2 | 277.2 | 279.3 |
| 65° | 238.5 | 240.5 | 238.5 | 238.5 | 240.5 | 240.5 | 242.6 | 242.6 | 244.6 | 246.7 | 250.7 |
| 67.5° | 212.0 | 212.0 | 210.0 | 212.0 | 212.0 | 214.0 | 214.0 | 216.1 | 216.1 | 218.1 | 220.2 |
| 70° | 183.5 | 183.5 | 183.5 | 183.5 | 185.5 | 185.5 | 187.5 | 187.5 | 187.5 | 189.6 | 191.6 |
| 72.5° | 157.0 | 157.0 | 154.9 | 154.9 | 157.0 | 159.0 | 159.0 | 161.0 | 161.0 | 165.1 | 165.1 |
| 75° | 128.4 | 128.4 | 128.4 | 128.4 | 130.5 | 130.5 | 130.5 | 132.5 | 134.5 | 134.5 | 136.6 |
| 77.5° | 101.9 | 99.9 | 101.9 | 101.9 | 101.9 | 101.9 | 104.0 | 106.0 | 106.0 | 108.0 | 110.1 |
| 80° | 75.4 | 73.4 | 75.4 | 75.4 | 75.4 | 75.4 | 77.5 | 77.5 | 79.5 | 81.5 | 81.5 |
| 82.5° | 48.9 | 46.9 | 48.9 | 48.9 | 48.9 | 48.9 | 51.0 | 51.0 | 53.0 | 55.0 | 55.0 |
| 85° | 24.5 | 22.4 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 26.5 | 28.5 | 28.5 | 30.6 |
| 87.5° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 6.1 | 6.1 | 8.2 |
| 90° | 2.0 | 4.1 | 4.1 | 4.1 | 2.0 | 4.1 | 2.0 | 4.1 | 2.0 | 2.0 | 2.0 |
| 92.5° | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |
| 95° | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 16.3 | 16.3 | 16.3 | 18.3 |
| 97.5° | 24.5 | 22.4 | 22.4 | 24.5 | 24.5 | 24.5 | 24.5 | 26.5 | 28.5 | 30.6 | 34.7 |
| 100° | 34.7 | 34.7 | 34.7 | 36.7 | 36.7 | 38.7 | 38.7 | 40.8 | 44.8 | 48.9 | 57.1 |
| 102.5° | 51.0 | 51.0 | 51.0 | 53.0 | 53.0 | 55.0 | 57.1 | 61.2 | 67.3 | 77.5 | 95.8 |
| 105° | 67.3 | 69.3 | 71.3 | 73.4 | 77.5 | 81.5 | 83.6 | 91.7 | 106.0 | 132.5 | 183.5 |
| 107.5° | 99.9 | 99.9 | 104.0 | 108.0 | 116.2 | 124.3 | 130.5 | 154.9 | 189.6 | 263.0 | 385.3 |
| 110° | 157.0 | 154.9 | 161.0 | 179.4 | 201.8 | 224.2 | 236.5 | 320.0 | 415.8 | 576.9 | 762.4 |



TEST NUMBER: P303229

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 307.8 | 303.7 | 324.1 | 366.9 | 448.5 | 517.8 | 548.3 | 709.4 | 882.7 | 1033.5 | 1131.3 |
| 115° | 742.0 | 731.8 | 774.6 | 860.2 | 1002.9 | 1086.5 | 1113.0 | 1245.5 | 1333.2 | 1359.7 | 1363.7 |
| 117.5° | 1396.3 | 1384.1 | 1412.7 | 1459.5 | 1535.0 | 1563.5 | 1557.4 | 1579.8 | 1569.6 | 1545.2 | 1506.4 |
| 120° | 1789.8 | 1779.6 | 1779.6 | 1777.5 | 1781.6 | 1773.5 | 1763.3 | 1740.8 | 1702.1 | 1663.4 | 1612.4 |
| 122.5° | 1946.7 | 1942.7 | 1932.5 | 1914.1 | 1901.9 | 1891.7 | 1871.3 | 1838.7 | 1800.0 | 1757.2 | 1704.2 |
| 125° | 2036.4 | 2030.3 | 2020.1 | 2003.8 | 1981.4 | 1973.2 | 1950.8 | 1916.2 | 1877.4 | 1834.6 | 1781.6 |
| 127.5° | 2099.6 | 2093.5 | 2083.3 | 2071.1 | 2046.6 | 2038.5 | 2018.1 | 1981.4 | 1944.7 | 1903.9 | 1855.0 |
| 130° | 2154.7 | 2148.5 | 2138.3 | 2128.2 | 2107.8 | 2093.5 | 2075.2 | 2040.5 | 2005.8 | 1965.1 | 1914.1 |
| 132.5° | 2203.6 | 2195.4 | 2185.2 | 2177.1 | 2158.7 | 2148.5 | 2128.2 | 2095.5 | 2060.9 | 2022.2 | 1969.2 |
| 135° | 2242.3 | 2238.2 | 2226.0 | 2217.8 | 2199.5 | 2187.3 | 2171.0 | 2140.4 | 2107.8 | 2069.0 | 2022.2 |
| 137.5° | 2279.0 | 2268.8 | 2262.7 | 2252.5 | 2234.2 | 2221.9 | 2207.7 | 2179.1 | 2148.5 | 2113.9 | 2071.1 |
| 140° | 2303.5 | 2297.3 | 2289.2 | 2283.1 | 2264.7 | 2250.5 | 2238.2 | 2215.8 | 2185.2 | 2152.6 | 2113.9 |
| 142.5° | 2327.9 | 2321.8 | 2315.7 | 2305.5 | 2289.2 | 2279.0 | 2266.8 | 2246.4 | 2221.9 | 2189.3 | 2152.6 |
| 145° | 2346.3 | 2340.2 | 2334.0 | 2327.9 | 2311.6 | 2301.4 | 2291.2 | 2274.9 | 2250.5 | 2219.9 | 2187.3 |
| 147.5° | 2362.6 | 2358.5 | 2352.4 | 2346.3 | 2332.0 | 2323.8 | 2315.7 | 2299.4 | 2274.9 | 2244.3 | 2217.8 |
| 150° | 2372.8 | 2368.7 | 2362.6 | 2360.5 | 2344.2 | 2336.1 | 2330.0 | 2315.7 | 2293.3 | 2262.7 | 2242.3 |
| 152.5° | 2380.9 | 2376.8 | 2370.7 | 2368.7 | 2352.4 | 2346.3 | 2340.2 | 2325.9 | 2303.5 | 2274.9 | 2256.6 |
| 155° | 2383.0 | 2378.9 | 2372.8 | 2368.7 | 2352.4 | 2346.3 | 2342.2 | 2327.9 | 2309.6 | 2285.1 | 2266.8 |
| 157.5° | 2376.8 | 2374.8 | 2370.7 | 2362.6 | 2348.3 | 2342.2 | 2340.2 | 2325.9 | 2311.6 | 2291.2 | 2272.9 |
| 160° | 2370.7 | 2366.7 | 2364.6 | 2358.5 | 2346.3 | 2342.2 | 2340.2 | 2327.9 | 2313.7 | 2295.3 | 2274.9 |
| 162.5° | 2354.4 | 2354.4 | 2352.4 | 2348.3 | 2338.1 | 2334.0 | 2332.0 | 2321.8 | 2307.5 | 2293.3 | 2270.8 |
| 165° | 2340.2 | 2338.1 | 2334.0 | 2330.0 | 2321.8 | 2319.8 | 2315.7 | 2309.6 | 2295.3 | 2285.1 | 2262.7 |
| 167.5° | 2315.7 | 2313.7 | 2309.6 | 2303.5 | 2297.3 | 2297.3 | 2295.3 | 2291.2 | 2279.0 | 2274.9 | 2252.5 |
| 170° | 2289.2 | 2285.1 | 2285.1 | 2281.0 | 2274.9 | 2274.9 | 2274.9 | 2270.8 | 2260.7 | 2258.6 | 2240.3 |
| 172.5° | 2262.7 | 2258.6 | 2256.6 | 2254.5 | 2246.4 | 2248.4 | 2248.4 | 2244.3 | 2238.2 | 2242.3 | 2224.0 |
| 175° | 2226.0 | 2224.0 | 2219.9 | 2219.9 | 2215.8 | 2217.8 | 2221.9 | 2219.9 | 2213.8 | 2219.9 | 2203.6 |
| 177.5° | 2181.2 | 2179.1 | 2181.2 | 2187.3 | 2183.2 | 2189.3 | 2189.3 | 2191.3 | 2189.3 | 2195.4 | 2179.1 |
| 180° | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 |
| 2.5° | 782.8 | 784.8 | 782.8 | 784.8 | 784.8 | 782.8 | 784.8 | 786.8 | 790.9 | 793.0 | 790.9 |
| 5° | 780.7 | 780.7 | 780.7 | 780.7 | 780.7 | 780.7 | 780.7 | 782.8 | 786.8 | 788.9 | 786.8 |
| 7.5° | 774.6 | 776.7 | 774.6 | 776.7 | 776.7 | 774.6 | 774.6 | 778.7 | 780.7 | 782.8 | 780.7 |
| 10° | 768.5 | 768.5 | 766.5 | 768.5 | 768.5 | 768.5 | 768.5 | 770.5 | 772.6 | 774.6 | 772.6 |
| 12.5° | 758.3 | 758.3 | 756.3 | 758.3 | 758.3 | 758.3 | 758.3 | 760.3 | 764.4 | 766.5 | 764.4 |
| 15° | 746.1 | 746.1 | 746.1 | 746.1 | 748.1 | 746.1 | 746.1 | 750.2 | 752.2 | 754.2 | 752.2 |
| 17.5° | 729.8 | 731.8 | 729.8 | 731.8 | 731.8 | 731.8 | 731.8 | 735.9 | 737.9 | 740.0 | 737.9 |
| 20° | 711.4 | 713.5 | 713.5 | 713.5 | 715.5 | 715.5 | 715.5 | 717.5 | 721.6 | 723.7 | 721.6 |
| 22.5° | 695.1 | 697.2 | 697.2 | 697.2 | 697.2 | 697.2 | 699.2 | 701.2 | 705.3 | 705.3 | 705.3 |
| 25° | 674.7 | 674.7 | 676.8 | 678.8 | 678.8 | 678.8 | 680.8 | 682.9 | 684.9 | 687.0 | 684.9 |
| 27.5° | 654.3 | 654.3 | 654.3 | 658.4 | 658.4 | 658.4 | 658.4 | 660.5 | 664.5 | 664.5 | 664.5 |
| 30° | 634.0 | 631.9 | 634.0 | 636.0 | 638.0 | 638.0 | 638.0 | 640.1 | 644.2 | 646.2 | 644.2 |
| 32.5° | 611.5 | 609.5 | 611.5 | 613.6 | 613.6 | 615.6 | 615.6 | 617.7 | 621.7 | 621.7 | 621.7 |
| 35° | 587.1 | 585.0 | 587.1 | 589.1 | 589.1 | 591.2 | 593.2 | 593.2 | 597.3 | 597.3 | 597.3 |
| 37.5° | 562.6 | 560.6 | 562.6 | 564.7 | 564.7 | 566.7 | 566.7 | 568.7 | 572.8 | 572.8 | 572.8 |
| 40° | 536.1 | 534.1 | 534.1 | 538.2 | 538.2 | 538.2 | 542.2 | 542.2 | 546.3 | 546.3 | 546.3 |
| 42.5° | 507.6 | 505.5 | 507.6 | 509.6 | 509.6 | 509.6 | 511.7 | 513.7 | 515.7 | 515.7 | 515.7 |
| 45° | 479.0 | 479.0 | 481.1 | 483.1 | 483.1 | 483.1 | 485.2 | 487.2 | 489.2 | 489.2 | 489.2 |
| 47.5° | 452.5 | 452.5 | 454.6 | 456.6 | 456.6 | 456.6 | 458.7 | 458.7 | 462.7 | 460.7 | 460.7 |
| 50° | 424.0 | 426.0 | 428.1 | 430.1 | 430.1 | 430.1 | 432.2 | 432.2 | 434.2 | 432.2 | 434.2 |
| 52.5° | 395.5 | 397.5 | 399.5 | 401.6 | 401.6 | 401.6 | 403.6 | 403.6 | 405.7 | 403.6 | 405.7 |
| 55° | 366.9 | 366.9 | 371.0 | 373.0 | 373.0 | 373.0 | 375.1 | 375.1 | 377.1 | 375.1 | 377.1 |
| 57.5° | 340.4 | 340.4 | 342.5 | 344.5 | 344.5 | 344.5 | 346.5 | 348.6 | 348.6 | 348.6 | 348.6 |
| 60° | 309.8 | 311.9 | 313.9 | 316.0 | 318.0 | 318.0 | 318.0 | 320.0 | 320.0 | 320.0 | 320.0 |
| 62.5° | 281.3 | 283.3 | 285.4 | 287.4 | 289.5 | 287.4 | 289.5 | 291.5 | 291.5 | 291.5 | 291.5 |
| 65° | 252.8 | 254.8 | 256.8 | 258.9 | 260.9 | 258.9 | 260.9 | 263.0 | 263.0 | 265.0 | 263.0 |
| 67.5° | 224.2 | 224.2 | 228.3 | 230.3 | 230.3 | 230.3 | 232.4 | 234.4 | 234.4 | 236.5 | 236.5 |
| 70° | 195.7 | 195.7 | 199.8 | 201.8 | 201.8 | 201.8 | 203.8 | 205.9 | 207.9 | 207.9 | 207.9 |
| 72.5° | 167.2 | 169.2 | 171.2 | 173.3 | 175.3 | 173.3 | 175.3 | 177.3 | 179.4 | 179.4 | 179.4 |
| 75° | 138.6 | 140.7 | 142.7 | 144.7 | 146.8 | 144.7 | 146.8 | 148.8 | 148.8 | 150.8 | 150.8 |
| 77.5° | 110.1 | 112.1 | 114.2 | 116.2 | 118.2 | 118.2 | 118.2 | 120.3 | 122.3 | 124.3 | 122.3 |
| 80° | 83.6 | 85.6 | 87.7 | 89.7 | 91.7 | 89.7 | 91.7 | 91.7 | 93.8 | 93.8 | 93.8 |
| 82.5° | 57.1 | 61.2 | 61.2 | 63.2 | 63.2 | 63.2 | 65.2 | 65.2 | 67.3 | 69.3 | 67.3 |
| 85° | 32.6 | 34.7 | 36.7 | 38.7 | 38.7 | 38.7 | 38.7 | 40.8 | 40.8 | 42.8 | 42.8 |
| 87.5° | 10.2 | 10.2 | 12.2 | 14.3 | 14.3 | 14.3 | 16.3 | 16.3 | 18.3 | 18.3 | 18.3 |
| 90° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 92.5° | 8.2 | 8.2 | 10.2 | 12.2 | 14.3 | 16.3 | 20.4 | 20.4 | 18.3 | 16.3 | 18.3 |
| 95° | 20.4 | 24.5 | 30.6 | 38.7 | 46.9 | 51.0 | 61.2 | 59.1 | 51.0 | 42.8 | 40.8 |
| 97.5° | 40.8 | 51.0 | 65.2 | 87.7 | 104.0 | 114.2 | 126.4 | 116.2 | 97.8 | 83.6 | 75.4 |
| 100° | 73.4 | 95.8 | 128.4 | 175.3 | 199.8 | 210.0 | 214.0 | 191.6 | 163.1 | 136.6 | 120.3 |
| 102.5° | 132.5 | 185.5 | 250.7 | 316.0 | 340.4 | 340.4 | 328.2 | 287.4 | 244.6 | 205.9 | 175.3 |
| 105° | 263.0 | 352.7 | 452.5 | 501.5 | 511.7 | 497.4 | 456.6 | 401.6 | 340.4 | 289.5 | 246.7 |
| 107.5° | 532.0 | 650.3 | 695.1 | 693.1 | 682.9 | 648.2 | 593.2 | 523.9 | 446.4 | 383.2 | 330.2 |
| 110° | 880.6 | 915.3 | 907.1 | 860.2 | 833.7 | 795.0 | 719.6 | 650.3 | 558.5 | 491.3 | 424.0 |



TEST NUMBER: P303229

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1153.8 | 1119.1 | 1068.2 | 996.8 | 964.2 | 923.4 | 846.0 | 770.5 | 672.7 | 601.3 | 528.0 |
| 115° | 1329.1 | 1263.8 | 1196.6 | 1119.1 | 1084.5 | 1041.7 | 964.2 | 880.6 | 782.8 | 709.4 | 634.0 |
| 117.5° | 1455.5 | 1378.0 | 1306.7 | 1229.2 | 1196.6 | 1153.8 | 1074.3 | 986.6 | 888.8 | 817.4 | 742.0 |
| 120° | 1547.2 | 1479.9 | 1406.5 | 1331.1 | 1300.5 | 1257.7 | 1174.2 | 1090.6 | 998.8 | 921.4 | 846.0 |
| 122.5° | 1638.9 | 1567.6 | 1498.3 | 1426.9 | 1396.3 | 1353.5 | 1265.9 | 1184.3 | 1094.7 | 1019.2 | 945.8 |
| 125° | 1718.4 | 1649.1 | 1583.9 | 1516.6 | 1484.0 | 1437.1 | 1355.6 | 1274.0 | 1188.4 | 1115.0 | 1045.7 |
| 127.5° | 1791.8 | 1728.6 | 1661.3 | 1596.1 | 1563.5 | 1514.6 | 1437.1 | 1357.6 | 1280.2 | 1208.8 | 1139.5 |
| 130° | 1857.0 | 1802.0 | 1736.8 | 1671.5 | 1634.8 | 1590.0 | 1516.6 | 1439.2 | 1365.8 | 1298.5 | 1231.2 |
| 132.5° | 1918.2 | 1865.2 | 1804.0 | 1734.7 | 1698.0 | 1659.3 | 1588.0 | 1518.7 | 1449.3 | 1386.2 | 1320.9 |
| 135° | 1977.3 | 1920.2 | 1859.1 | 1791.8 | 1759.2 | 1724.5 | 1655.2 | 1585.9 | 1526.8 | 1465.7 | 1404.5 |
| 137.5° | 2030.3 | 1967.1 | 1908.0 | 1844.8 | 1814.2 | 1781.6 | 1716.4 | 1653.2 | 1598.2 | 1537.0 | 1479.9 |
| 140° | 2073.1 | 2009.9 | 1954.9 | 1891.7 | 1865.2 | 1836.7 | 1773.5 | 1714.3 | 1665.4 | 1612.4 | 1555.3 |
| 142.5° | 2107.8 | 2046.6 | 1995.7 | 1938.6 | 1914.1 | 1885.6 | 1826.5 | 1775.5 | 1730.7 | 1679.7 | 1624.7 |
| 145° | 2136.3 | 2081.3 | 2032.3 | 1979.3 | 1956.9 | 1932.5 | 1877.4 | 1832.6 | 1787.7 | 1740.8 | 1689.9 |
| 147.5° | 2164.8 | 2111.8 | 2069.0 | 2020.1 | 1999.7 | 1977.3 | 1924.3 | 1885.6 | 1844.8 | 1800.0 | 1753.1 |
| 150° | 2187.3 | 2140.4 | 2097.6 | 2054.8 | 2034.4 | 2014.0 | 1967.1 | 1928.4 | 1895.8 | 1855.0 | 1812.2 |
| 152.5° | 2203.6 | 2164.8 | 2126.1 | 2087.4 | 2067.0 | 2048.7 | 2009.9 | 1975.3 | 1946.7 | 1908.0 | 1867.2 |
| 155° | 2215.8 | 2183.2 | 2148.5 | 2115.9 | 2097.6 | 2081.3 | 2044.6 | 2016.0 | 1987.5 | 1954.9 | 1916.2 |
| 157.5° | 2226.0 | 2197.5 | 2166.9 | 2134.3 | 2122.0 | 2105.7 | 2073.1 | 2050.7 | 2026.2 | 1997.7 | 1963.0 |
| 160° | 2232.1 | 2209.7 | 2179.1 | 2154.7 | 2142.4 | 2130.2 | 2099.6 | 2079.2 | 2060.9 | 2036.4 | 2003.8 |
| 162.5° | 2234.2 | 2213.8 | 2189.3 | 2168.9 | 2158.7 | 2146.5 | 2120.0 | 2105.7 | 2087.4 | 2067.0 | 2036.4 |
| 165° | 2232.1 | 2217.8 | 2195.4 | 2179.1 | 2171.0 | 2158.7 | 2138.3 | 2126.1 | 2113.9 | 2095.5 | 2069.0 |
| 167.5° | 2228.0 | 2213.8 | 2199.5 | 2185.2 | 2177.1 | 2168.9 | 2152.6 | 2144.5 | 2134.3 | 2122.0 | 2099.6 |
| 170° | 2219.9 | 2211.7 | 2197.5 | 2189.3 | 2183.2 | 2175.0 | 2160.8 | 2156.7 | 2152.6 | 2140.4 | 2122.0 |
| 172.5° | 2207.7 | 2201.5 | 2191.3 | 2185.2 | 2181.2 | 2175.0 | 2164.8 | 2164.8 | 2162.8 | 2154.7 | 2138.3 |
| 175° | 2189.3 | 2187.3 | 2179.1 | 2177.1 | 2175.0 | 2168.9 | 2164.8 | 2166.9 | 2168.9 | 2164.8 | 2152.6 |
| 177.5° | 2168.9 | 2171.0 | 2164.8 | 2166.9 | 2164.8 | 2160.8 | 2160.8 | 2166.9 | 2171.0 | 2171.0 | 2162.8 |
| 180° | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 |



TEST NUMBER: P303229

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 |
| 2.5° | 788.9 | 784.8 | 782.8 | 784.8 | 782.8 | 780.7 | 780.7 | 782.8 | 786.8 | 790.9 | 786.8 |
| 5° | 784.8 | 780.7 | 780.7 | 780.7 | 780.7 | 778.7 | 778.7 | 778.7 | 782.8 | 788.9 | 782.8 |
| 7.5° | 778.7 | 774.6 | 774.6 | 774.6 | 774.6 | 772.6 | 772.6 | 772.6 | 776.7 | 780.7 | 776.7 |
| 10° | 770.5 | 768.5 | 766.5 | 766.5 | 766.5 | 764.4 | 762.4 | 764.4 | 768.5 | 772.6 | 766.5 |
| 12.5° | 760.3 | 758.3 | 756.3 | 756.3 | 756.3 | 754.2 | 754.2 | 754.2 | 758.3 | 760.3 | 756.3 |
| 15° | 748.1 | 746.1 | 744.0 | 746.1 | 744.0 | 742.0 | 742.0 | 742.0 | 746.1 | 748.1 | 744.0 |
| 17.5° | 733.8 | 731.8 | 729.8 | 729.8 | 729.8 | 725.7 | 725.7 | 725.7 | 731.8 | 731.8 | 727.7 |
| 20° | 717.5 | 713.5 | 713.5 | 713.5 | 711.4 | 709.4 | 709.4 | 709.4 | 713.5 | 713.5 | 709.4 |
| 22.5° | 701.2 | 699.2 | 695.1 | 695.1 | 695.1 | 693.1 | 691.0 | 691.0 | 697.2 | 693.1 | 691.0 |
| 25° | 682.9 | 678.8 | 676.8 | 676.8 | 674.7 | 672.7 | 670.7 | 670.7 | 676.8 | 672.7 | 668.6 |
| 27.5° | 660.5 | 658.4 | 656.4 | 656.4 | 654.3 | 650.3 | 650.3 | 650.3 | 656.4 | 650.3 | 648.2 |
| 30° | 640.1 | 638.0 | 636.0 | 636.0 | 634.0 | 629.9 | 629.9 | 631.9 | 636.0 | 629.9 | 627.8 |
| 32.5° | 617.7 | 615.6 | 611.5 | 611.5 | 609.5 | 607.5 | 607.5 | 609.5 | 611.5 | 605.4 | 603.4 |
| 35° | 593.2 | 591.2 | 589.1 | 589.1 | 587.1 | 585.0 | 585.0 | 587.1 | 587.1 | 581.0 | 578.9 |
| 37.5° | 568.7 | 566.7 | 564.7 | 562.6 | 560.6 | 560.6 | 560.6 | 562.6 | 560.6 | 556.5 | 552.4 |
| 40° | 544.3 | 542.2 | 538.2 | 538.2 | 536.1 | 534.1 | 534.1 | 538.2 | 534.1 | 530.0 | 523.9 |
| 42.5° | 513.7 | 511.7 | 507.6 | 507.6 | 505.5 | 505.5 | 507.6 | 509.6 | 505.5 | 501.5 | 497.4 |
| 45° | 487.2 | 485.2 | 483.1 | 483.1 | 481.1 | 481.1 | 481.1 | 481.1 | 479.0 | 477.0 | 472.9 |
| 47.5° | 460.7 | 458.7 | 456.6 | 456.6 | 456.6 | 454.6 | 454.6 | 454.6 | 452.5 | 448.5 | 446.4 |
| 50° | 434.2 | 432.2 | 430.1 | 430.1 | 428.1 | 426.0 | 428.1 | 426.0 | 426.0 | 422.0 | 417.9 |
| 52.5° | 405.7 | 403.6 | 403.6 | 401.6 | 403.6 | 401.6 | 399.5 | 399.5 | 397.5 | 393.4 | 391.4 |
| 55° | 377.1 | 377.1 | 375.1 | 375.1 | 375.1 | 373.0 | 373.0 | 371.0 | 371.0 | 366.9 | 362.8 |
| 57.5° | 350.6 | 348.6 | 348.6 | 348.6 | 348.6 | 344.5 | 344.5 | 342.5 | 342.5 | 338.4 | 336.3 |
| 60° | 322.1 | 320.0 | 320.0 | 320.0 | 320.0 | 318.0 | 316.0 | 316.0 | 311.9 | 309.8 | 307.8 |
| 62.5° | 293.5 | 291.5 | 291.5 | 291.5 | 291.5 | 289.5 | 287.4 | 287.4 | 283.3 | 281.3 | 279.3 |
| 65° | 265.0 | 263.0 | 263.0 | 263.0 | 263.0 | 260.9 | 258.9 | 258.9 | 254.8 | 252.8 | 252.8 |
| 67.5° | 236.5 | 234.4 | 234.4 | 234.4 | 234.4 | 232.4 | 230.3 | 230.3 | 226.3 | 226.3 | 224.2 |
| 70° | 207.9 | 207.9 | 207.9 | 205.9 | 205.9 | 203.8 | 201.8 | 201.8 | 197.7 | 197.7 | 195.7 |
| 72.5° | 179.4 | 179.4 | 177.3 | 175.3 | 177.3 | 177.3 | 173.3 | 173.3 | 171.2 | 171.2 | 169.2 |
| 75° | 150.8 | 150.8 | 148.8 | 148.8 | 148.8 | 146.8 | 144.7 | 144.7 | 142.7 | 142.7 | 140.7 |
| 77.5° | 122.3 | 122.3 | 120.3 | 120.3 | 122.3 | 120.3 | 118.2 | 118.2 | 116.2 | 116.2 | 114.2 |
| 80° | 93.8 | 95.8 | 93.8 | 95.8 | 93.8 | 93.8 | 91.7 | 89.7 | 89.7 | 89.7 | 87.7 |
| 82.5° | 67.3 | 69.3 | 67.3 | 69.3 | 67.3 | 67.3 | 65.2 | 63.2 | 61.2 | 61.2 | 59.1 |
| 85° | 42.8 | 42.8 | 40.8 | 42.8 | 40.8 | 40.8 | 38.7 | 36.7 | 34.7 | 34.7 | 34.7 |
| 87.5° | 18.3 | 18.3 | 16.3 | 18.3 | 16.3 | 16.3 | 14.3 | 14.3 | 12.2 | 12.2 | 12.2 |
| 90° | 4.1 | 6.1 | 8.2 | 8.2 | 8.2 | 8.2 | 10.2 | 10.2 | 10.2 | 10.2 | 12.2 |
| 92.5° | 26.5 | 34.7 | 38.7 | 38.7 | 36.7 | 38.7 | 40.8 | 38.7 | 38.7 | 36.7 | 36.7 |
| 95° | 46.9 | 53.0 | 63.2 | 69.3 | 75.4 | 83.6 | 87.7 | 85.6 | 85.6 | 81.5 | 81.5 |
| 97.5° | 71.3 | 79.5 | 87.7 | 85.6 | 87.7 | 99.9 | 110.1 | 120.3 | 126.4 | 130.5 | 132.5 |
| 100° | 112.1 | 108.0 | 114.2 | 120.3 | 122.3 | 120.3 | 124.3 | 134.5 | 144.7 | 148.8 | 157.0 |
| 102.5° | 161.0 | 148.8 | 144.7 | 146.8 | 150.8 | 165.1 | 159.0 | 161.0 | 163.1 | 167.2 | 177.3 |
| 105° | 220.2 | 199.8 | 189.6 | 187.5 | 185.5 | 191.6 | 205.9 | 210.0 | 201.8 | 199.8 | 203.8 |
| 107.5° | 291.5 | 260.9 | 244.6 | 236.5 | 232.4 | 232.4 | 236.5 | 248.7 | 258.9 | 254.8 | 250.7 |
| 110° | 377.1 | 332.3 | 307.8 | 293.5 | 283.3 | 277.2 | 279.3 | 283.3 | 293.5 | 303.7 | 311.9 |



TEST NUMBER: P303229

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 470.9 | 415.8 | 377.1 | 360.8 | 346.5 | 328.2 | 324.1 | 324.1 | 328.2 | 338.4 | 348.6 |
| 115° | 574.8 | 507.6 | 458.7 | 436.2 | 419.9 | 389.3 | 375.1 | 366.9 | 369.0 | 371.0 | 379.2 |
| 117.5° | 678.8 | 609.5 | 552.4 | 523.9 | 501.5 | 462.7 | 434.2 | 419.9 | 413.8 | 411.8 | 415.8 |
| 120° | 778.7 | 713.5 | 652.3 | 621.7 | 593.2 | 546.3 | 507.6 | 477.0 | 464.8 | 454.6 | 452.5 |
| 122.5° | 876.5 | 813.3 | 750.2 | 717.5 | 689.0 | 638.0 | 599.3 | 558.5 | 530.0 | 507.6 | 495.3 |
| 125° | 980.5 | 911.2 | 848.0 | 819.5 | 788.9 | 733.8 | 684.9 | 648.2 | 611.5 | 581.0 | 558.5 |
| 127.5° | 1072.2 | 1009.0 | 945.8 | 917.3 | 890.8 | 831.7 | 780.7 | 740.0 | 701.2 | 662.5 | 629.9 |
| 130° | 1166.0 | 1104.8 | 1043.7 | 1013.1 | 984.6 | 931.6 | 878.6 | 833.7 | 795.0 | 756.3 | 719.6 |
| 132.5° | 1255.7 | 1196.6 | 1137.5 | 1106.9 | 1082.4 | 1029.4 | 974.4 | 931.6 | 888.8 | 852.1 | 815.4 |
| 135° | 1341.3 | 1280.2 | 1227.2 | 1196.6 | 1168.0 | 1121.2 | 1070.2 | 1031.5 | 986.6 | 947.9 | 913.2 |
| 137.5° | 1422.8 | 1361.7 | 1312.8 | 1284.2 | 1261.8 | 1214.9 | 1168.0 | 1127.3 | 1084.5 | 1045.7 | 1009.0 |
| 140° | 1498.3 | 1441.2 | 1388.2 | 1365.8 | 1339.3 | 1298.5 | 1255.7 | 1221.0 | 1180.3 | 1139.5 | 1106.9 |
| 142.5° | 1571.7 | 1516.6 | 1471.8 | 1443.2 | 1422.8 | 1380.0 | 1339.3 | 1310.7 | 1276.1 | 1233.3 | 1202.7 |
| 145° | 1636.9 | 1585.9 | 1545.2 | 1520.7 | 1494.2 | 1455.5 | 1418.8 | 1392.3 | 1363.7 | 1325.0 | 1294.4 |
| 147.5° | 1704.2 | 1655.2 | 1612.4 | 1594.1 | 1569.6 | 1532.9 | 1500.3 | 1473.8 | 1453.4 | 1414.7 | 1386.2 |
| 150° | 1767.3 | 1720.5 | 1677.7 | 1659.3 | 1638.9 | 1604.3 | 1573.7 | 1551.3 | 1532.9 | 1498.3 | 1471.8 |
| 152.5° | 1826.5 | 1779.6 | 1742.9 | 1724.5 | 1704.2 | 1673.6 | 1643.0 | 1620.6 | 1610.4 | 1575.7 | 1549.2 |
| 155° | 1877.4 | 1834.6 | 1802.0 | 1787.7 | 1767.3 | 1734.7 | 1708.2 | 1687.8 | 1677.7 | 1649.1 | 1626.7 |
| 157.5° | 1926.3 | 1883.5 | 1855.0 | 1842.8 | 1824.4 | 1793.8 | 1771.4 | 1749.0 | 1742.9 | 1720.5 | 1696.0 |
| 160° | 1969.2 | 1932.5 | 1908.0 | 1895.8 | 1879.5 | 1848.9 | 1828.5 | 1810.2 | 1804.0 | 1787.7 | 1765.3 |
| 162.5° | 2007.9 | 1975.3 | 1954.9 | 1940.6 | 1926.3 | 1903.9 | 1881.5 | 1865.2 | 1861.1 | 1850.9 | 1826.5 |
| 165° | 2044.6 | 2014.0 | 1993.6 | 1983.4 | 1973.2 | 1950.8 | 1930.4 | 1918.2 | 1914.1 | 1908.0 | 1883.5 |
| 167.5° | 2077.2 | 2048.7 | 2030.3 | 2024.2 | 2012.0 | 1993.6 | 1977.3 | 1965.1 | 1963.0 | 1961.0 | 1938.6 |
| 170° | 2101.7 | 2077.2 | 2065.0 | 2054.8 | 2048.7 | 2032.3 | 2018.1 | 2007.9 | 2007.9 | 2009.9 | 1987.5 |
| 172.5° | 2124.1 | 2103.7 | 2091.5 | 2085.3 | 2079.2 | 2065.0 | 2054.8 | 2044.6 | 2048.7 | 2052.7 | 2034.4 |
| 175° | 2140.4 | 2124.1 | 2113.9 | 2109.8 | 2105.7 | 2093.5 | 2085.3 | 2081.3 | 2085.3 | 2093.5 | 2075.2 |
| 177.5° | 2152.6 | 2140.4 | 2134.3 | 2132.2 | 2128.2 | 2120.0 | 2115.9 | 2111.8 | 2120.0 | 2130.2 | 2113.9 |
| 180° | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 |



TEST NUMBER: P303229

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 | 786.8 |
| 2.5° | 788.9 | 788.9 | 786.8 | 786.8 | 784.8 | 782.8 | 780.7 | 780.7 |
| 5° | 784.8 | 782.8 | 782.8 | 782.8 | 780.7 | 780.7 | 778.7 | 778.7 |
| 7.5° | 776.7 | 776.7 | 776.7 | 774.6 | 776.7 | 774.6 | 774.6 | 774.6 |
| 10° | 768.5 | 766.5 | 766.5 | 766.5 | 766.5 | 764.4 | 764.4 | 766.5 |
| 12.5° | 758.3 | 756.3 | 754.2 | 754.2 | 754.2 | 754.2 | 754.2 | 756.3 |
| 15° | 744.0 | 744.0 | 744.0 | 742.0 | 742.0 | 742.0 | 742.0 | 744.0 |
| 17.5° | 727.7 | 725.7 | 725.7 | 725.7 | 725.7 | 725.7 | 725.7 | 725.7 |
| 20° | 709.4 | 707.3 | 707.3 | 705.3 | 705.3 | 705.3 | 705.3 | 707.3 |
| 22.5° | 691.0 | 687.0 | 687.0 | 684.9 | 687.0 | 687.0 | 684.9 | 687.0 |
| 25° | 668.6 | 666.6 | 666.6 | 664.5 | 664.5 | 662.5 | 662.5 | 664.5 |
| 27.5° | 648.2 | 646.2 | 644.2 | 644.2 | 642.1 | 640.1 | 640.1 | 642.1 |
| 30° | 625.8 | 623.8 | 621.7 | 619.7 | 619.7 | 617.7 | 617.7 | 619.7 |
| 32.5° | 601.3 | 599.3 | 597.3 | 597.3 | 595.2 | 593.2 | 593.2 | 595.2 |
| 35° | 576.9 | 574.8 | 572.8 | 572.8 | 570.8 | 568.7 | 568.7 | 570.8 |
| 37.5° | 552.4 | 548.3 | 548.3 | 548.3 | 546.3 | 544.3 | 542.2 | 544.3 |
| 40° | 521.8 | 519.8 | 517.8 | 515.7 | 515.7 | 513.7 | 513.7 | 513.7 |
| 42.5° | 495.3 | 493.3 | 493.3 | 491.3 | 489.2 | 487.2 | 487.2 | 489.2 |
| 45° | 468.8 | 468.8 | 466.8 | 464.8 | 462.7 | 462.7 | 462.7 | 462.7 |
| 47.5° | 442.3 | 440.3 | 440.3 | 440.3 | 436.2 | 436.2 | 434.2 | 436.2 |
| 50° | 415.8 | 413.8 | 413.8 | 413.8 | 409.7 | 409.7 | 409.7 | 409.7 |
| 52.5° | 389.3 | 387.3 | 387.3 | 385.3 | 385.3 | 383.2 | 381.2 | 383.2 |
| 55° | 360.8 | 360.8 | 358.8 | 358.8 | 356.7 | 354.7 | 354.7 | 356.7 |
| 57.5° | 334.3 | 332.3 | 332.3 | 332.3 | 330.2 | 328.2 | 328.2 | 330.2 |
| 60° | 305.8 | 305.8 | 305.8 | 303.7 | 301.7 | 301.7 | 301.7 | 301.7 |
| 62.5° | 279.3 | 277.2 | 277.2 | 277.2 | 277.2 | 275.2 | 273.2 | 273.2 |
| 65° | 250.7 | 248.7 | 248.7 | 248.7 | 246.7 | 248.7 | 246.7 | 246.7 |
| 67.5° | 222.2 | 222.2 | 222.2 | 220.2 | 220.2 | 220.2 | 218.1 | 218.1 |
| 70° | 195.7 | 193.7 | 195.7 | 193.7 | 193.7 | 193.7 | 191.6 | 191.6 |
| 72.5° | 169.2 | 167.2 | 167.2 | 165.1 | 167.2 | 165.1 | 165.1 | 163.1 |
| 75° | 140.7 | 140.7 | 138.6 | 138.6 | 138.6 | 138.6 | 136.6 | 136.6 |
| 77.5° | 114.2 | 114.2 | 112.1 | 112.1 | 112.1 | 110.1 | 110.1 | 108.0 |
| 80° | 85.6 | 85.6 | 85.6 | 83.6 | 83.6 | 83.6 | 83.6 | 81.5 |
| 82.5° | 59.1 | 59.1 | 59.1 | 57.1 | 57.1 | 55.0 | 55.0 | 53.0 |
| 85° | 32.6 | 32.6 | 32.6 | 30.6 | 30.6 | 30.6 | 30.6 | 28.5 |
| 87.5° | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 |
| 90° | 12.2 | 14.3 | 12.2 | 14.3 | 16.3 | 16.3 | 16.3 | 18.3 |
| 92.5° | 36.7 | 36.7 | 36.7 | 38.7 | 38.7 | 36.7 | 36.7 | 36.7 |
| 95° | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 79.5 | 79.5 | 79.5 |
| 97.5° | 134.5 | 134.5 | 134.5 | 136.6 | 134.5 | 130.5 | 130.5 | 130.5 |
| 100° | 161.0 | 165.1 | 167.2 | 169.2 | 171.2 | 173.3 | 173.3 | 173.3 |
| 102.5° | 185.5 | 187.5 | 189.6 | 191.6 | 193.7 | 193.7 | 193.7 | 193.7 |
| 105° | 207.9 | 210.0 | 210.0 | 212.0 | 218.1 | 222.2 | 224.2 | 224.2 |
| 107.5° | 248.7 | 248.7 | 248.7 | 250.7 | 250.7 | 250.7 | 250.7 | 250.7 |
| 110° | 316.0 | 305.8 | 303.7 | 295.6 | 297.6 | 295.6 | 295.6 | 295.6 |



TEST NUMBER: P303229

CATALOG NUMBER: CTW-F-7525-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 358.8 | 364.9 | 366.9 | 369.0 | 369.0 | 366.9 | 362.8 | 360.8 |
| 115° | 391.4 | 397.5 | 401.6 | 401.6 | 407.7 | 411.8 | 411.8 | 411.8 |
| 117.5° | 422.0 | 428.1 | 430.1 | 434.2 | 438.3 | 442.3 | 444.4 | 444.4 |
| 120° | 454.6 | 460.7 | 460.7 | 464.8 | 466.8 | 470.9 | 472.9 | 472.9 |
| 122.5° | 491.3 | 495.3 | 495.3 | 495.3 | 499.4 | 499.4 | 501.5 | 501.5 |
| 125° | 546.3 | 542.2 | 540.2 | 538.2 | 538.2 | 536.1 | 538.2 | 536.1 |
| 127.5° | 609.5 | 599.3 | 593.2 | 587.1 | 583.0 | 576.9 | 576.9 | 574.8 |
| 130° | 687.0 | 674.7 | 660.5 | 654.3 | 644.2 | 638.0 | 634.0 | 629.9 |
| 132.5° | 780.7 | 764.4 | 750.2 | 740.0 | 725.7 | 713.5 | 707.3 | 703.3 |
| 135° | 882.7 | 856.2 | 839.8 | 833.7 | 817.4 | 803.2 | 799.1 | 795.0 |
| 137.5° | 978.5 | 954.0 | 939.7 | 933.6 | 917.3 | 903.0 | 896.9 | 892.8 |
| 140° | 1072.2 | 1047.8 | 1031.5 | 1029.4 | 1013.1 | 1000.9 | 996.8 | 992.7 |
| 142.5° | 1168.0 | 1147.7 | 1129.3 | 1123.2 | 1108.9 | 1100.8 | 1092.6 | 1090.6 |
| 145° | 1261.8 | 1239.4 | 1223.1 | 1219.0 | 1204.7 | 1194.5 | 1188.4 | 1184.3 |
| 147.5° | 1355.6 | 1335.2 | 1318.9 | 1314.8 | 1300.5 | 1292.4 | 1284.2 | 1280.2 |
| 150° | 1445.3 | 1420.8 | 1410.6 | 1406.5 | 1392.3 | 1386.2 | 1378.0 | 1373.9 |
| 152.5° | 1528.8 | 1506.4 | 1498.3 | 1492.2 | 1482.0 | 1469.7 | 1467.7 | 1463.6 |
| 155° | 1604.3 | 1583.9 | 1577.8 | 1571.7 | 1561.5 | 1555.3 | 1553.3 | 1551.3 |
| 157.5° | 1679.7 | 1661.3 | 1653.2 | 1647.1 | 1638.9 | 1632.8 | 1630.8 | 1632.8 |
| 160° | 1753.1 | 1734.7 | 1728.6 | 1724.5 | 1712.3 | 1708.2 | 1708.2 | 1708.2 |
| 162.5° | 1818.3 | 1804.0 | 1797.9 | 1793.8 | 1787.7 | 1781.6 | 1777.5 | 1779.6 |
| 165° | 1877.4 | 1865.2 | 1861.1 | 1855.0 | 1848.9 | 1846.8 | 1844.8 | 1844.8 |
| 167.5° | 1932.5 | 1920.2 | 1916.2 | 1910.0 | 1908.0 | 1903.9 | 1901.9 | 1906.0 |
| 170° | 1985.5 | 1973.2 | 1971.2 | 1965.1 | 1961.0 | 1959.0 | 1954.9 | 1961.0 |
| 172.5° | 2032.3 | 2024.2 | 2020.1 | 2016.0 | 2016.0 | 2014.0 | 2012.0 | 2016.0 |
| 175° | 2075.2 | 2069.0 | 2065.0 | 2058.8 | 2060.9 | 2058.8 | 2058.8 | 2062.9 |
| 177.5° | 2115.9 | 2111.8 | 2107.8 | 2105.7 | 2103.7 | 2099.6 | 2095.5 | 2097.6 |
| 180° | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 | 2148.5 |

(END OF REPORT)